



Interpon D35

Product Description:

Interpon D35 is a series of TGIC Free Polyester based powder coatings designed for the exterior environment, offering excellent long term light and weather resistance from a single coat finish on a variety of substrates. **Interpon D35** powders are available in a wide range of colours in full and reduced glosses. **Interpon D35** meets the weathering performance requirements of all major standard durability specifications as detailed below. Matt, textured and metallic effects can be custom matched to the users' requirements.

Powder properties:

Chemical type	Polyester
Particle size	Suitable for electrostatic spray
Specific gravity	1.2 - 1.7 depending on colours
Storage	Dry cool conditions (below) 30°C
Shelf Life	18 months
Sales code	M-Series
Stoving Schedule	10 mins at 190°C - 8 mins at 200°C 5 mins at 210°C (Object temperature)
Industry Standard conformity	AS3715, Qualicoat Category 1, WANZ, AS/NZ4506, BS6496/7, GB5237, AAMA2603-02

Film properties:

Mechanical, chemical and durability tests carried out on chromate conversion coated aluminium panels.
All tests are performed on panels coated with 60 microns of a gloss finish powder stoved for 10 minutes at 200°C (metal temperature).
Reduced gloss finishes may show lower values for mechanical performance.

Mechanical tests:

Flexibility	(Bend Test) AS1580 402.1	Pass 6mm
Adhesion	(2mm Crosshatch) AS1580 408.4	Classification 1 maximum
Erichsen Cupping	BS3900-E4	Pass > 3mm
Pencil Hardness	AS1580 405.1	F - minimum
Reverse Impact resistance	AS3715 Appendix 2.8	Pass 2.5mm

Interpon
Powder Coatings

All products supplied and technical advice given are subject to the standard terms of sale of the supplying company.

Confidentiality Note: The information in this facsimile message may be confidential and for use of only the individual or entity named above. The information may be protected by privilege, work product immunity or other applicable law. If you are not the intended recipient the retention, dissemination, distribution or copying of this fax is strictly prohibited. If you receive this fax in error please notify us immediately by telephone and return it to the address. Thank you..

Interpon is a registered trademark of Akzo Nobel Powder Coatings Ltd.

Registered in England & Wales No. 1725413

Registered Office: Crown House, Hollins Road, PO Box 17, Darwen, Lancs, BB3 0BG UK

Akzo Nobel Coatings India
Pvt Ltd
Plot 62P 62B 62A 43E
Hoskote Industrial Area
Bangalore 562114
India
Tel +91 (0) 8022895000
Fax +91 (0) 8022895500
www.interpon.com



Chemical and durability tests:

Salt Spray	AS3715 Appendix 2.10	Pass 1000 hours - no corrosion creep more than 2mm from scribe
Humidity Resistance	AS3715 Section 2.7	Pass at 500 hrs - no blistering or loss of adhesion
Distilled water immersion	BS3900-F7 at 40°C	Pass - no blistering or loss of gloss after 240 hours
Exterior durability (1 year Allunga exposure at 45° North)	Excellent - pass AS3715 after 12 months continuous exposure with no film breakdown or reduction in protective properties.	
Colour stability	Excellent for continuous exposure up to 120°C.	

Pretreatment:

For maximum protection it is essential to pretreat components prior to the application of **Interpon D35**. Aluminium components must receive a full multi-stage chromate conversion coating to clean and conditions the substrate. Detailed advice should be sought from the pretreatment supplier.

Application:

Interpon D35 powders can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed and recycled through the coating system.

Additional Information:

Akzo Nobel (Australia) Pty Ltd, has a policy not to use lead or other heavy metal based pigments in our range of powder coatings.

As a result of this policy, the use of bright/deep Yellow, Orange and Red colours are not recommended for severe outdoor exposure where long - term colour fastness is required. Detailed advice should be sought from Akzo Nobel.

Interpon
Powder Coatings

All products supplied and technical advice given are subject to the standard terms of sale of the supplying company.

Confidentiality Note: *The information in this facsimile message may be confidential and for use of only the individual or entity named above. The information may be protected by privilege, work product immunity or other applicable law. If you are not the intended recipient the retention, dissemination, distribution or copying of this fax is strictly prohibited. If you receive this fax in error please notify us immediately by telephone and return it to the address. Thank you..*

Interpon is a registered trademark of Akzo Nobel Powder Coatings Ltd.

Registered in England & Wales No. 1725413

Registered Office: Crown House, Hollins Road, PO Box 17, Darwen, Lancs, BB3 0BG UK

Akzo Nobel Coatings India
Pvt Ltd
Plot 62P 62B 62A 43E
Hoskote Industrial Area
Bangalore 562114
India
Tel +91 (0) 8022895000
Fax +91 (0) 8022895500
www.interpon.com



Interpon D35

Safety Precautions:

This product is intended for use only by professional applicators in industrial environments and should not be used without reference to the relevant health and safety data sheet which Akzo Nobel has provided to its customer.

If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact Akzo Nobel to obtain a copy before using the product. Minimum safety precautions in dealing with all powder coatings are as follows.

All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapours resulting from the cure should be avoided. Take steps to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. Dust and powder should not be allowed to build up on surfaces or ledges. Dust collection equipment should be used which has provision for adequate explosion release. All equipment should be electrically earthed to prevent build up of static. Users are recommended to follow the guidelines laid down in the AS3754, 1990, Safe Application of Powder Coatings by Electrostatic Application.

Disclaimer:

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

Interpon
Powder Coatings

All products supplied and technical advice given are subject to the standard terms of sale of the supplying company.

Confidentiality Note: *The information in this facsimile message may be confidential and for use of only the individual or entity named above. The information may be protected by privilege, work product immunity or other applicable law. If you are not the intended recipient the retention, dissemination, distribution or copying of this fax is strictly prohibited. If you receive this fax in error please notify us immediately by telephone and return it to the address. Thank you..*

Interpon is a registered trademark of Akzo Nobel Powder Coatings Ltd.

Registered in England & Wales No. 1725413

Registered Office: Crown House, Hollins Road, PO Box 17, Darwen, Lancs, BB3 0BG UK

Akzo Nobel Coatings India
Pvt Ltd
Plot 62P 62B 62A 43E
Hoskote Industrial Area
Bangalore 562114
India
Tel +91 (0) 8022895000
Fax +91 (0) 8022895500
www.interpon.com